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EC87-114 Nebraska Sunflower Test 1986

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NEBRASKA SUNFLOWER TEST

1986

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INTERSTATE, Box 470, Fargo, ND 58107

TRIUMPH, P.O. Box 1050, Ralls, TX 79357

SIGCO, Box 289, Breckenridge, MN 56520

PAG, P.O. Box 9480, Minneapolis, MN 55440

NORTHROP KING CO., Moorhead, MN 56560

SEEDTEC, P.O. Box 5692, Fargo, ND 58107

CARGILL, Box 5645, Minneapolis, MN 55440

DAHLGREN, 1220 Sunflower St., Crookston, MN 56716



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Nebraska Sunflower Test - 1986

L. A. Nelson

The 1986 sunflower test was conducted under dryland conditions in Banner County in Western Nebraska. It was planted in the middle of a large sunflower field belonging to Ken Mossberg. The test was planted on May 28. Each plot consisted of four 30 inch rows and each hybrid was replicated five times. Seeding rate was 22,500 seeds per acre (about 5 pounds). Eight companies entered 28 hybrids in the test. Three hybrids were confectionery type. The herbicide used on this test was Prowl at a rate of 1 pint/A.

Oil percent is based on a 10% moisture basis. Analysis was provided by Dr. J. F. Miller, USDA-ARS, Fargo, ND. Samples were cleaned of all foreign material before the analysis.

I would like to thank Dr. Miller and Ken Mossberg for their contributions to this test.

METRIC EQUIVALENTS

1 centimeter = 0.394 inches	cm = inches x 2.54
1 hectare = 2.471 acres	ha = acres x 0.405
1 kilogram = 2.205 pounds	kg = pounds x 0.454
1 hectoliter = 2.838 bushels	hl = bushels x 0.35

Kilogram/hectoliter = lb/bu x 1.287
Kilogram/hectare = bu/A x 53.81 (48# bushel)
Kilogram/hectare = bu/A x 67.26 (60# bushel)

Sunflower Yield in Pounds Per Acre from 1986

Banner County Test.

Company	Hybrid	Yield (Lbs/A)
PAG	SF 102	1149.6
PAG	SF 103	1129.3
SIGCO	S 475	1083.3
CARGILL	C 207	1053.8
NORTHRUP KING	NK 262	1019.4
SEEDTEC	S 317	1005.1
*SEEDTEC	S 043	989.5
NORTHRUP KING	NK 277	985.9
SEEDTEC	S 316	960.3
TRIUMPH	T 550	952.8
CARGILL	C 205	942.2
PAG	SF 100	939.9
NORTHRUP KING	NK X22	920.0
INTERSTATE	I 7101	908.0
DAHLGREN	DO 730	907.4
INTERSTATE	I 7111	902.4
NORTHRUP KING	NK 285	891.5
TRIUMPH	T 548	884.5
*TRIUMPH	T 505C	884.0
INTERSTATE	I 3001	865.6
INTERSTATE	I 3007	860.0
SEEDTEC	S X300	859.4
TRIUMPH	T 448	851.9
DAHLGREN	DO 704	823.3
DAHLGREN	DO 855	803.8
INTERSTATE	I 7116	757.7
TRIUMPH	T 565	737.5
*DAHLGREN	D 131	728.8
Average Yield		933
L.S.D. .05		219

* CONFECTIONERY TYPE

Sunflower Test Weight (Pounds per Bushel)

Banner County Test 1986.

Company	Hybrid	Test Weight
CARGILL	C 205	29.3
PAG	SF 100	28.7
TRIUMPH	T 550	28.3
DAHLGREN	DO 730	27.6
NORTHRUP KING	NK 262	27.5
DAHLGREN	DO 704	27.5
TRIUMPH	T 448	27.2
CARGILL	C 207	27.0
INTERSTATE	I 7116	27.0
NORTHRUP KING	NK 285	26.9
SEEDTEC	S X300	26.8
INTERSTATE	I 3007	26.8
PAG	SF 103	26.6
PAG	SF 102	26.4
NORTHRUP KING	NK 277	26.3
DAHLGREN	DO 855	26.2
TRIUMPH	T 565	26.1
NORTHRUP KING	NK X22	25.8
INTERSTATE	I 3001	25.7
INTERSTATE	I 7111	25.5
SEEDTEC	S 317	25.3
TRIUMPH	T 548	25.3
INTERSTATE	I 7101	25.2
SEEDTEC	S 316	24.6
SIGCO	S 475	24.4
*DAHLGREN	D 131	23.2
*SEEDTEC	S 043	22.3
*TRIUMPH	T 505C	21.0
Mean Test Weight		26.0
L.S.D. .05		1.8

* CONFECTIONERY TYPE

Oil Content @ 10% Moisture of Sunflower Hybrids.

Banner County Test 1986.

Company	Hybrid	Oil Content
TRIUMPH	T 565	48.5
DAHLGREN	DO 730	46.7
SEEDTEC	S 317	46.1
NORTHRUP KING	NK 285	45.8
TRIUMPH	T 550	45.7
DAHLGREN	DO 855	45.6
SIGCO	S 475	45.2
TRIUMPH	T 448	44.9
SEEDTEC	S 316	44.1
INTERSTATE	I 3007	44.0
NORTHRUP KING	NK X22	43.6
INTERSTATE	I 7116	43.5
PAG	SF 102	43.4
CARGILL	C 205	43.4
SEEDTEC	S X300	43.4
INTERSTATE	I 7111	43.3
INTERSTATE	I 3001	43.1
NORTHRUP KING	NK 277	42.8
NORTHRUP KING	NK 262	42.1
PAG	SF 103	42.1
TRIUMPH	T 548	41.6
CARGILL	C 207	40.7
DAHLGREN	DO 704	40.6
PAG	SF 100	40.0
INTERSTATE	I 7101	38.9
Mean Oil Content		43.7
L.S.D. .05		2.4

Harvest Moisture of Sunflower Hybrids in 1986

Banner County Test.

Company	Hybrid	Moisture %
INTERSTATE	I 7111	8.4
DAHLGREN	DO 704	8.4
CARGILL	C 207	8.5
TRIUMPH	T 548	8.6
CARGILL	C 205	9.1
INTERSTATE	I 7101	9.6
PAG	SF 100	9.9
INTERSTATE	I 3007	10.0
TRIUMPH	T 550	10.3
TRIUMPH	T 448	10.5
*SEEDTEC	S 043	10.6
SEEDTEC	S X300	10.8
PAG	SF 103	11.0
INTERSTATE	I 7116	11.1
INTERSTATE	I 3001	11.4
NORTHROP KING	NK 262	11.5
DAHLGREN	DO 730	11.6
NORTHROP KING	NK 277	12.1
DAHLGREN	DO 855	12.8
NORTHROP KING	NK 285	13.1
PAG	SF 102	13.3
*DAHLGREN	D 131	13.4
NORTHROP KING	NK X22	13.6
SEEDTEC	S 316	14.2
TRIUMPH	T 565	14.6
SIGCO	S 475	14.8
*TRIUMPH	T 505C	15.3
SEEDTEC	S 317	16.4
Mean Moisture Content		12.0
L.S.D. .05		2.8

* CONFECTIONERY TYPE